

IN THE ABSTRACT

Please replace the Abstract with the following:

Abstract of the disclosure

The present invention relates to a container and a method for cooling the container contents by microwave radiation. The container (10) includes a lid (20), at least one integrated electrical cooler (70), at least one integrated microwave receiving rectenna (50), and at least one integrated microwave shield (60) for shielding microwaves from reaching the interior of the container (10). The invention also relates to the method of cooling including the steps of sealing the container (10) through closing the container lid (20), and applying microwave radiation onto the outer surfaces of the container by utilizing a microwave oven. The container incident microwaves are received and converted into direct-current voltage through the rectenna (50), which powers the electrical cooler (70) for cooling the interior of the container (10) and its contents.